

What is claimed is:

1. An airborne missile launch method comprising:  
receiving positioning information;  
creating a missile profile mission;  
5 creating a mission in a first format by combining the created missile profile mission with the received positioning information;  
loading the mission into a navigation system of a missile;  
generating a mission-loaded signal upon completion of mission loading into  
the missile;  
10 converting the generated mission-loaded signal to a second format for interpretation by an aircraft command-launch control set system; and  
presenting a flight crew with information that mission loading has been completed based on the received converted completion signal.
- 15 2. The method of Claim 1, further comprising:  
generating a launch command at the aircraft command-launch control set system;  
converting the launch command into a format associated with the missile;  
sending the converted launch command to the missile; and  
performing a launch of the missile based on the received converted launch  
20 command.
- 25 3. An airborne missile launch system including one or more missiles comprising:  
an aircraft command-launch control set system arranged to process data in a first format; and  
an interface controller coupled to the aircraft command-launch control set system and the one or more missiles, the controller comprising:  
a first component configured to create a missile profile mission;  
a second component configured to create a mission in a second format  
30 for processing by the one or more missiles by combining the created missile profile mission with received positioning information;  
a third component configured to send the mission to one of the missiles for loading;  
a fourth component configured to receive a mission-loaded signal upon completion of mission loading into one of the missiles; and  
a fifth component configured to convert the generated mission-loaded  
35 signal from the first format to the second format for interpretation by the aircraft command-launch control set system.

4. The system of Claim 3, wherein the aircraft command-launch control set system comprises a component configured to generate a launch command, and wherein the controller comprises:
- a sixth component configured to convert the launch command into the first  
5 format; and
- a seventh component configured to send the converted launch command to the  
associated missile.
5. The system of Claim 1, wherein the one or more missiles are Harpoon Block II  
missiles.
- 10 6. The system of Claim 1, wherein the aircraft command-launch control set is a  
Harpoon aircraft command-launch control set.

10024695 124904